Technical Data Sheet

ROMILOY® 1015/01 F

PC/ABS -Blend, injection moulding grade, easy-flowing, high-impact, high heat resistance

Properties	*Unit*	*Test Method*	*Test Condition*	**Value***
Mechanical				
Tensile Modulus	MPa	DIN EN ISO 527	23℃ 1 mm/min	2,250
Tensile Strength	MPa	DIN EN ISO 527	23℃ 50 mm/min	58
Yield Strain	%	DIN EN ISO 527	23℃ 50 mm/min	9
Elongation at Break	%	DIN EN ISO 527	23℃ 50 mm/min	> 50
Flexural Modulus	MPa	DIN EN ISO 178	23℃ 2 mm/min	2,270
Flexural Strength	MPa	DIN EN ISO 178	23℃ 2 mm/min	88
Flexural Strength at 3.5% Strain of the outer Fiber	MPa	DIN EN ISO 178	23℃ 2 mm/min	76
Notched Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23℃ / -30℃	35 / 20
Impact Strength (Charpy)	kJ/m²	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23℃ / -30℃	n.b. / n.b.
Physical				
Density	g/cm³	DIN EN ISO 1183	23℃, 50% RH	1.15
Water Absorption	%	DIN EN ISO 62	23℃, 24 h	-
Thermal				
Heat Distortion Temperature A	℃	DIN EN ISO 75/1	1.8 MPa	105
Vicat Softening Temperature B 50	℃	DIN EN ISO 306	50 N 50℃/h	130
Melt Mass Flow Rate (MFR)	g/10 min	DIN EN ISO 1133	260℃, 5 kg	33
Processing Shrinkage	%	DIN EN ISO 294-4	23℃	0.4 - 0.7
Flammability (own testing)	--	UL94	1.6 mm	HB

* = These are average figures, which could vary in each production batch due to addition of pigments, antistatica, slip, uv stabilizer or other.
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